

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re Application of:)	Docket No. 34008US
)	
Joseph B. Cross et al)	Group Art Unit No. 1793
)	
Serial No.: 10/735,557)	Examiner: Johnson, Edward M.
)	
Filed: 12/12/2003)	Confirmation No.: 3922
)	
Title: PROCESS FOR THE REMOVAL)	
OF HEAVY METAL FROM GASES, AND)	
COMPOSITIONS THEREFOR AND)	
THEREWITH)	

PAPER CORRECTING APPELLANT'S BRIEF ON APPEAL

Mail Stop Appeal Brief – Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This paper is responsive to the Notification of Non-Compliant Appeal Brief mailed on June 9, 2008. In response, the Summary of Claimed Subject Matter Section has been corrected as set out below.

Summary of Claimed Subject Matter

Independent claim 1, and claims 2 – 4 depending from claim 1, relate to a composition comprising a support and vanadium. *See* Page 4, lines 1–2. The support is selected from the group consisting of: 1) amorphous silica-alumina; 2) a zeolite; 3) a material comprising alumina, expanded perlite and meta-kaolin; 4) alumina; and 5) combinations thereof. *See* Page 4, lines 3–5. In addition, at least a portion of the vanadium of the composition has a crystallite size less than about 100 Å. *See* Page 4, lines 13–19.

Independent claim 5 relates to a composition consisting essentially of a support and vanadium. *See* Page 4, lines 1-2. The support is selected from the group consisting of: 1) amorphous silica-alumina; 2) a zeolite; 3) a material comprising alumina, expanded perlite and meta-kaolin; 4) alumina; and 5) combinations thereof. *See* Page 4, lines 3-5. In addition, at least a portion of the vanadium of the composition has a crystallite size less than about 100 Å. *See* Page 4, lines 13-19.

Independent claim 6 relates to a composition consisting of a support and vanadium. *See* Page 4, lines 1-2. The support is selected from the group consisting of: 1) amorphous silica-alumina; 2) a zeolite; 3) a material comprising alumina, expanded perlite and meta-kaolin; 4) alumina; and 5) combinations thereof. *See* Page 4, lines 3-5. In addition, at least a portion of the vanadium of the composition has a crystallite size less than about 100 Å. *See* Page 4, lines 13-19.

Independent claim 7, and claims 8-16 depending therefrom, relate to a composition comprising a support and vanadium. *See* Page 4, lines 1-2. The support is selected from the group consisting of: 1) amorphous silica-alumina; 2) a zeolite; 3) a

material comprising alumina, expanded perlite and meta-kaolin; 4) alumina; and 5) combinations thereof. *See* Page 4, lines 3-5. In addition, the composition is heated in the presence of oxygen and a solvent to a calcination temperature. The calcination temperature is preferably sufficient to volatilize and remove substantially all of the solvent and is also preferably below the temperature which would result in the conversion of greater than about 90 wt. percent of the vanadium to vanadium-and-oxygen-containing crystallites greater than about 100 Å in size. *See* paragraph bridging pages 4 and 5.

Respectfully submitted,

CONOCOPHILLIPS COMPANY
IP LEGAL

Date: June 23, 2008

By Jeffrey R. Anderson
Jeffrey R. Anderson
Registration No. 43,263

JRA:plf

CONOCOPHILLIPS COMPANY – I.P. LEGAL
P.O. Box 2443
Bartlesville, Oklahoma 74005
918-661-3934